

Baton Rouge Community College

Academic Affairs Master Syllabus

Date Approved or Revised: September 18, 2007

Course Name: Human Anatomy and Physiology I

Course Number: BIOL 230

Lecture Hrs. 3

Lab Hrs. 3

Credit Hrs. 4

Course Description: Focuses on gross anatomy, physiological and clinical aspects of anatomy and physiology as it relates to the organ systems of the human body. Not for science majors; designed for students majoring in medical technology, nursing, nutrition, occupational therapy, and physical therapy. Includes a laboratory component that parallels the lecture.

Prerequisites: BIOL 101, BIOL 101L, BIOL 102, *and* BIOL 102L with a grade of C or better; or BIOL 130 with a grade of C or better; or BIOL 120, BIOL 120L, BIOL 121, *and* BIOL 121L with a grade of C or better, and CORE 081 and COAL 045 or A02 022

Co-requisites: None

Suggested Enrollment Cap: 30

Learning Outcomes: Upon successful completion of this course, the student will be able to:

- Explain the role of body systems: integumentary, skeletal, muscular, nervous, and sensory, in the maintenance of optimal health and wellness;
- Demonstrate an understanding of the major purposes and functions of body systems utilizing appropriate terminology;
- Explain the interrelations of energy with the physical body;
- List, describe, identify, and compare and contrast the tissues, organs and systems of the body;
- Relate structure to function in every area of course content;
- Describe homeostasis and the roles of organs and systems in maintaining homeostasis and predict the major effects of upsetting homeostatic functions in the body;
- Relate the knowledge gained to some of the fundamental principles of disease.

Assessment Measures: Assessment of all learning outcomes will be measured using the following methods:

- Individual instructor-designed exams will collectively assess all learning outcomes and will be given during the semester as listed in the course syllabus.
- An Individual instructor-designed comprehensive final exam, adhering to a department-decided common content, will assess all learning outcomes and will be administered at the end of the semester.
- Individual Instructor-designed assignments will assess a portion of the learning outcomes and will be given as a portion of the total grade. Assignments will include written and oral

assignments, laboratory reports, projects, homework, and quizzes; all assignments will be graded using an instructor-designed rubric.

Information to be included on the Instructors' Course Syllabi:

- **Disability Statement:** Baton Rouge Community College seeks to meet the needs of its students in many ways. See the Office of Disability Services to receive suggestions for disability statements that should be included in each syllabus.
- **Grading:** The College grading policy should be included in the course syllabus. Any special practices should also go here. This should include the instructor's and/or the department's policy for make-up work. For example in a speech course, "Speeches not given on due date will receive no grade higher than a sixty" or "Make-up work will not be accepted after the last day of class."
- **Attendance Policy:** Include the overall attendance policy of the college. Instructors may want to add additional information in individual syllabi to meet the needs of their courses.
- **General Policies:** Instructors' policy on the use of things such as beepers and cell phones and/or hand held programmable calculators should be covered in this section.
- **Cheating and Plagiarism:** This must be included in all syllabi and should include the penalties for incidents in a given class. Students should have a clear idea of what constitutes cheating in a given course.
- **Safety Concerns:** In some programs this may be a major issue. For example, "No student will be allowed in the safety lab without safety glasses." General statements such as, "Items that may be harmful to one's self or others should not be brought to class."
- **Library/ Learning Resources:** Since the development of the total person is part of our mission, assignments in the library and/or the Learning Resources Center should be included to assist students in enhancing skills and in using resources. Students should be encouraged to use the library for reading enjoyment as part of lifelong learning.

Expanded Course Outline:

- I. Organization of the Body
 - A. The Human Body: An Orientation
 - B. Chemistry Comes Alive
 - C. Cells: The Living Units
 - D. Tissue: The Living Fabric
- II. Covering, Support, and Movement of the Body
 - A. The Integumentary System
 - B. Bones and Skeletal Tissues
 - C. The Skeleton
 - D. The Joints
 - E. Muscles and Muscle Tissue
 - F. The Muscular System
- III. Regulation and Integration of the Body
 - A. Fundamentals of the Nervous System and Nervous Tissue
 - B. The Central Nervous System
 - C. The Peripheral Nervous System and Reflex Activity
 - D. The Somatic and Special Senses